

**Portfolio**  
Christopher Lee  
2024



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Bureau of Meteorology | [www.bom.gov.au](http://www.bom.gov.au)

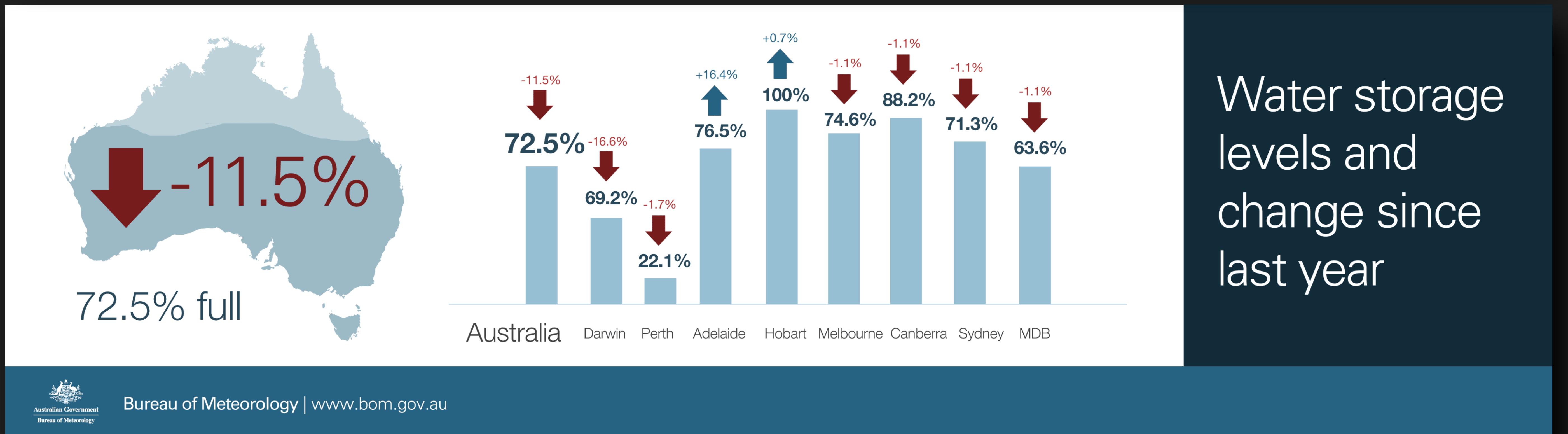
# National Climate & Water Briefing

Presented on 29 August, 2013

# Climate Reporting for the Nation

Presented monthly by the Australian Bureau of Meteorology, the **National Climate and Water Briefings** present the latest developments in Water and Climate Information to senior Government officials.

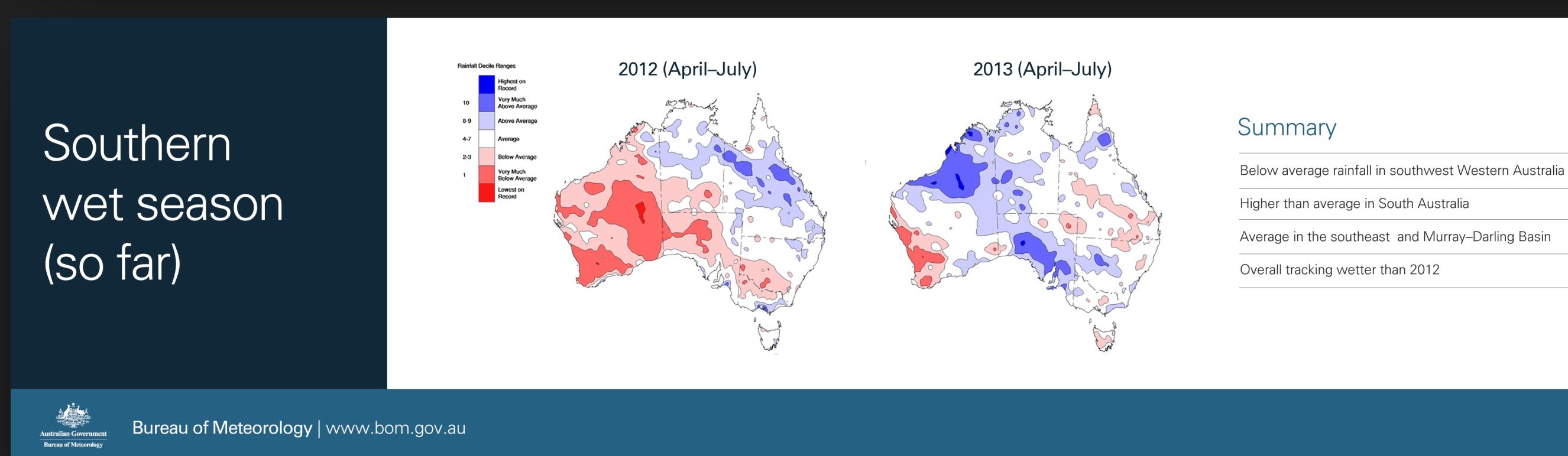
The output device for these digital slides is a ultra-high resolution monitor array measuring **6 metres wide x 1.5 meters high**.



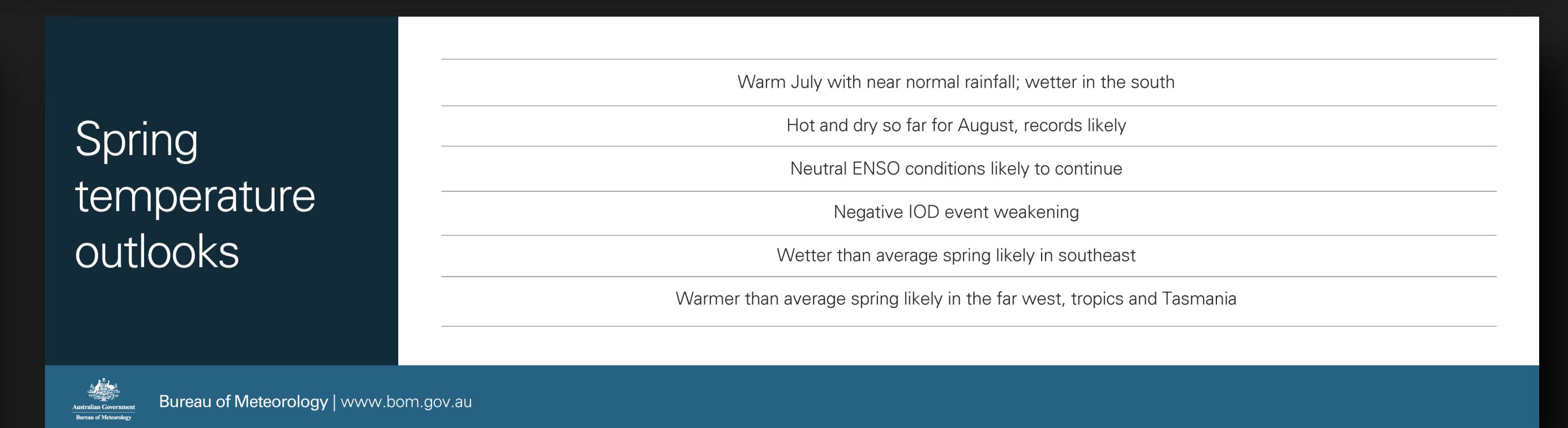
Australian Government  
Bureau of Meteorology

Bureau of Meteorology | [www.bom.gov.au](http://www.bom.gov.au)

Water storage levels and change since last year



Southern wet season (so far)



Spring temperature outlooks

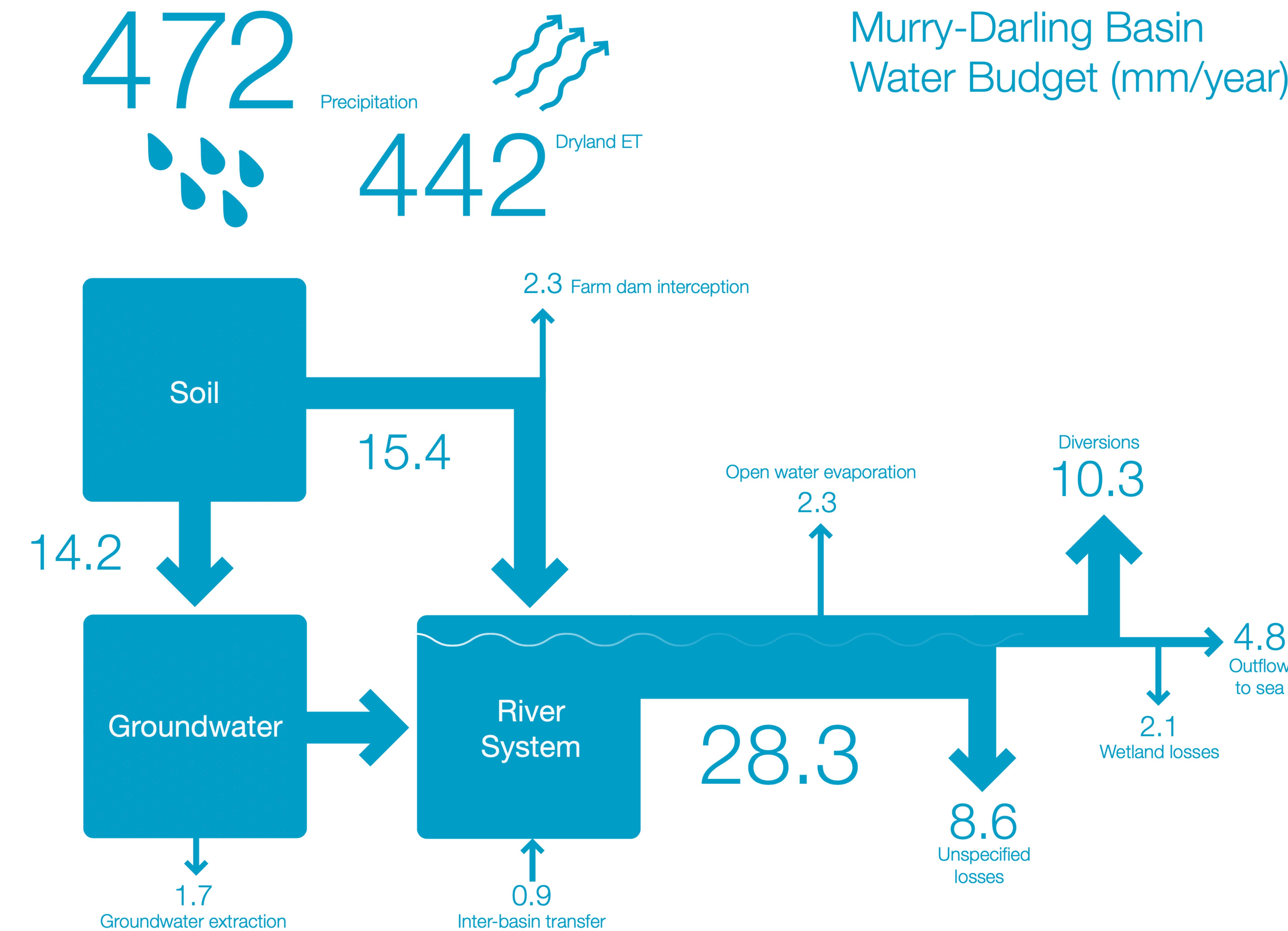
Warm July with near normal rainfall; wetter in the south  
Hot and dry so far for August, records likely  
Neutral ENSO conditions likely to continue  
Negative IOD event weakening  
Wetter than average spring likely in southeast  
Warmer than average spring likely in the far west, tropics and Tasmania

Presentation design system



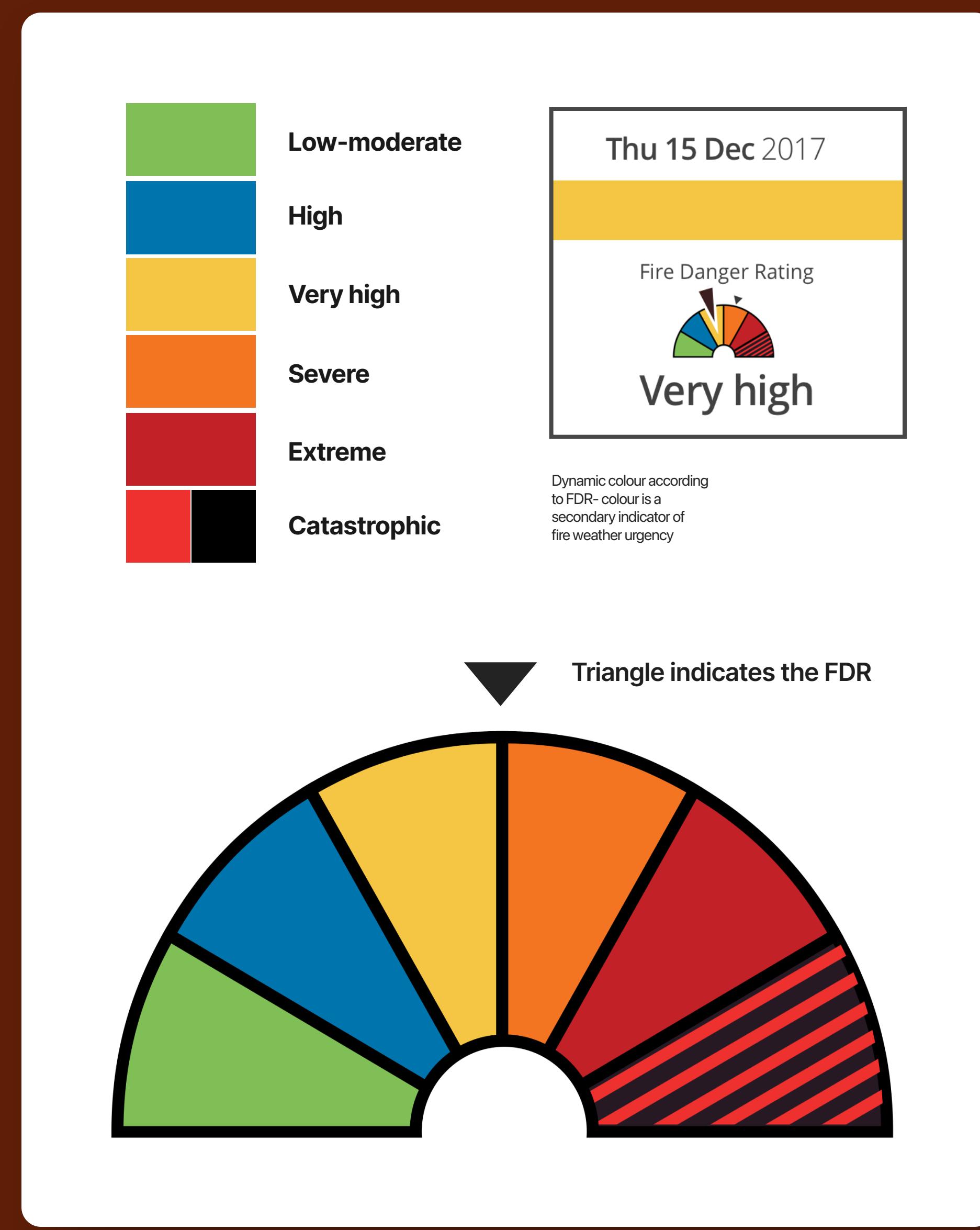
# Visualising the Murray- Darling Basin Water Budget

Water accounting in the Murray-Darling Basin involves a comprehensive and systematic approach to tracking water availability, usage, and allocations across the basin's diverse ecosystems. This process includes monitoring river flows, groundwater levels, and water extraction to ensure sustainable management and equitable distribution of water resources among various stakeholders in the region.



Approximate water budget for the Murray-Darling Basin in mm/year, estimated by applying current development conditions to historical climate data. Numbers are collated from MDBA (2010), CSIRO (2008) and Van Dijk et al. (2008). Groundwater contributions were assumed to contribute 48% to total streamflow based on (van Dijk, 2009). \*Dryland ET includes 0.3 mm/y (0.07 %) attributed to forestry plantations.

Data visualisation



Australian Government  
Bureau of Meteorology

Radar Satellite Charts Warnings

Majura Training Area ★

Home Starred Range List Links Search

Wed 15 Dec 2017 Thu 15 Dec 2017 Fri 15 Dec 2017 Sat 15 Dec 2017

Fire Danger Rating

Severe

Very high

Catastrophic

Low-moderate

Wind Forecast km/h knots

	km/h	knots
06:00 ↕ SE	6.9	
09:00 ↕ ESE	12.2	
12:00 ← E	15.4	
15:00 ← E	19.8	
18:00 ↖ ENE	16.9	
21:00 ↖ ENE	13.3	
00:00 ← E	10.2	

meteogram map view

DF 5.8 Max FFDI 19

Curing 20% Max GFDI 9

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Glossary ▾

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Australia's National Meteorological Service  
Supporting the Australian Defence Force

# 4-day Fire Forecasts for the Australian Defence Force

There have been reported instances of bushfires caused by ignitions of bushland during ADF training exercises in the 2000's. Better technology in weather and fire forecasting could have prevented some of these disasters.

Utilising real-time meteorological data and fire modeling algorithms, the **Defence Fire Forecast** tool provides ADF personnel with accurate and timely predictions, allowing them to make informed decisions about when and where to conduct live firing exercises while minimising the risk of unintended bushfires.

Decision-making tools

**Today**

Summary Allocations Progress Record

**Today**

- > Mo Chun  
Depression Assessment - The Cornell Scale for Depression 2h 16m ago Overdue
- > Diego Morata  
Food and Drink Preferences 45 minutes ago Overdue
- > Alan Marti  
Cognitive Assessment - Psychogeriatric Assessment Scales (PAS)  
Cognitive Impairment Scale Due now
- > Jafaris Long  
Apply Elasticised Support Bandages/Compression Garment Due now
- > Babilia Ebwele  
Empty Drainage Pads, Urinals, Pans or Commode Due now
- > Cameron Rogers  
Blood Glucose Check Due now

**Future**

- > Chandrashekhar Ganguli  
Apply Emollient Cream Due now

Resident	Status	Action
Mo Chun Bed 52 - Acacia	Overdue care	-
Tania Perfilieva Bed 52 - Acacia	Overdue care	-
Kimmy McIlmorie Bed 52 - Acacia	Due care	-
Bernarr Dominik Bed 52 - Acacia	Due care	-

**Resident details**

Nutrition requirements: Weetbix (Edit)

Preferred drink: Orange juice (Edit)

Medical/surgical diagnosis: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris euismod commodo dapibus. (Edit)

Food allergies: Peanuts, dairy (Edit)

Mobility requirements: Needs assistance (Edit)

**Linzell Bowman**  
Depression Assessment - The Cornell Scale for Depression Overdue

**Helena Brauer**  
Cognitive Assessment - Psychogeriatric Assessment Scales (PAS)  
Cognitive Impairment Scale Due now

**Linzell Bowman**  
Depression Assessment - The Cornell Scale for Depression Overdue

**Due:** Monday 6 May 2019 13:30  
**Schedule:** Once on Monday 6 May 2019  
**Last modified by:** Joanne on Thursday 6 May 2019  
**Last completed by:** Chris on Thursday 6 May 2019

**Care Schedule**

Hayfever medication — 28/11/2023  
Saline nasal irrigation — 28/11/2023

+ Schedule Care

# Designing Connected Healthcare Experiences

Digitising paper-based healthcare workflows for doctors and nurses streamlines operations, reduces administrative burdens, and **enhances overall efficiency and accuracy in patient care.** Electronic health record (EHR) systems can automate documentation, allowing healthcare professionals to focus more on patient interactions and less on paperwork.

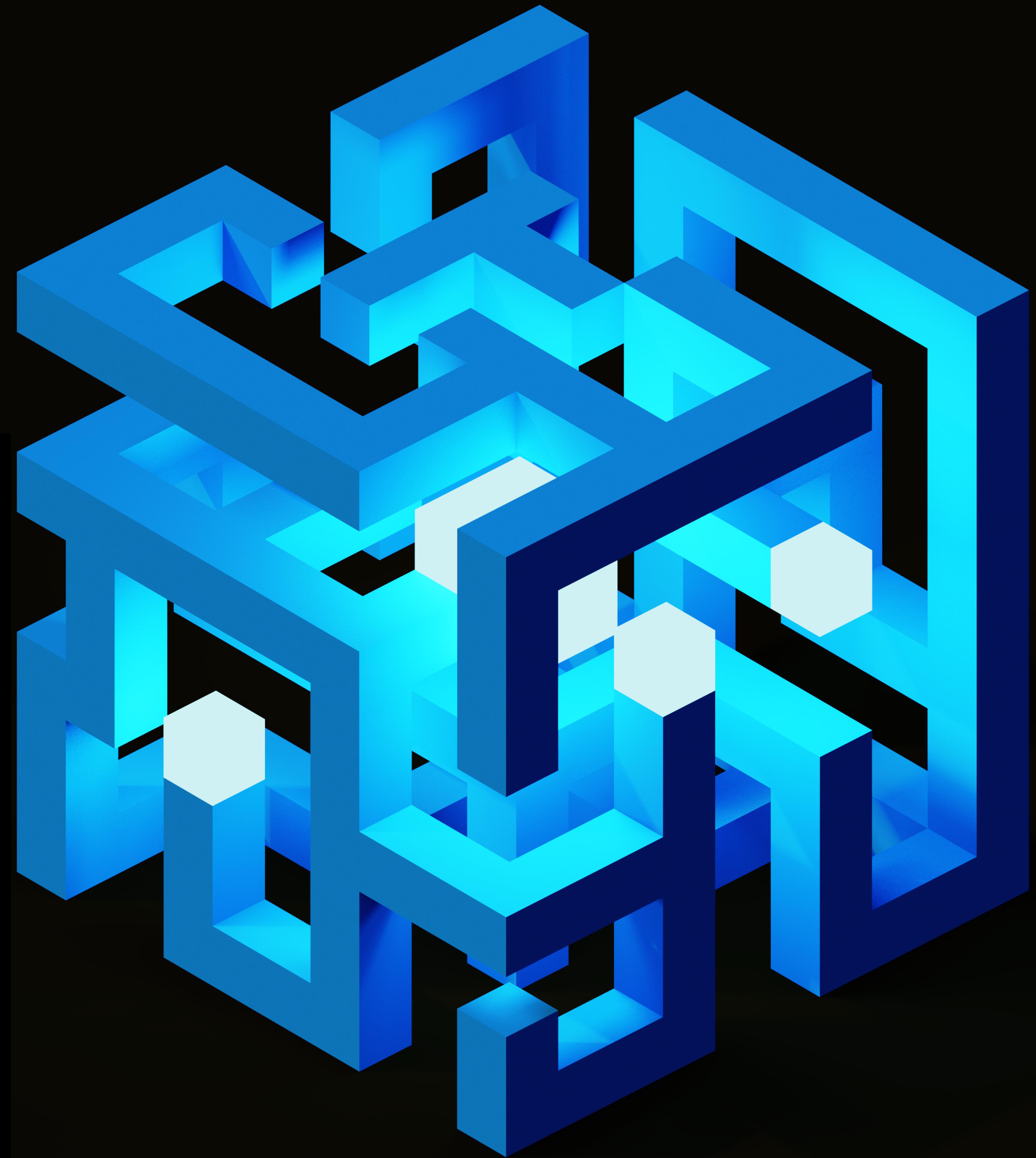
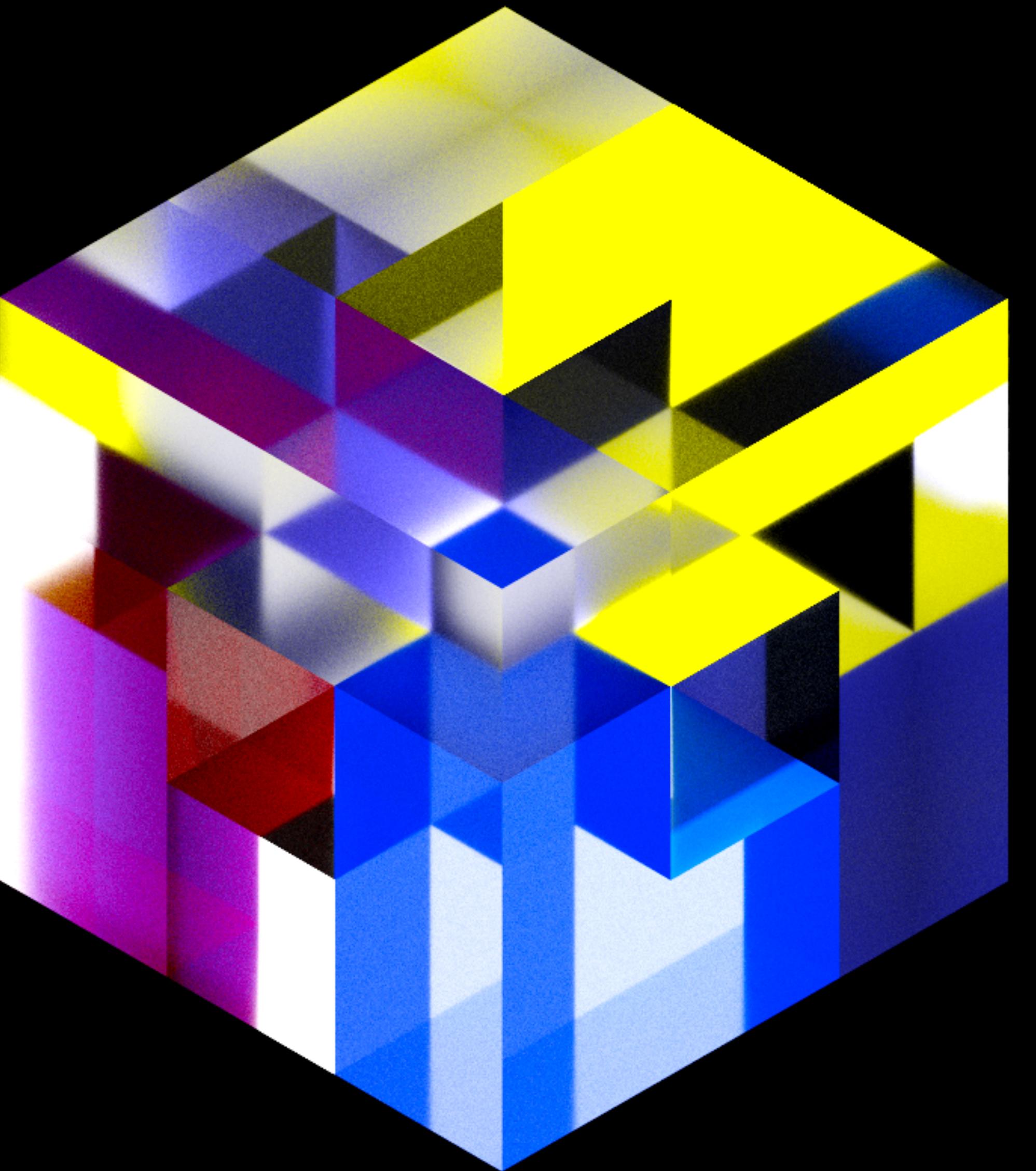
The transition to digital workflows facilitates better collaboration, information sharing, and data accessibility, ultimately improving the quality of healthcare delivery.

Digital Health

# Imagining the Emerging Worlds of Cyber and AI

Creating a **visual illustration language for Cyber and AI** involves strategically blending futuristic and technical elements. Graphical representations could incorporate sleek, interconnected circuitry and dynamic data flows to convey the integration of artificial intelligence within cyber landscapes.

Vibrant color schemes, juxtaposing cool blues with energetic accents, symbolise the balance between the precision of AI algorithms and the dynamic nature of cyber environments.



Illustrating abstract concepts

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